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⑯ Publication number:

0 232 706
A3

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EUROPEAN PATENT APPLICATION

㉑ Application number: 87100099.8

㉓ Int. Cl.: **G 01 N 33/80, G 01 N 33/52,**
G 01 N 33/574
// G01N33/577

㉒ Date of filing: 07.01.87

㉔ Priority: 10.01.86 US 817874

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㉖ Date of publication of application: 19.08.87
Bulletin 87/34

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㉚ Date of deferred publication of search report: 30.11.88 Bulletin 88/48

㉛ Blood group antigen panel.

㉜ Monoclonal antibodies specific for human blood group antigens are useful in cancer diagnosis. It has been found that cancer patients often either express antigens of a blood type different from their normal blood type or cease to produce normal blood group antigens in cancerous tissues. By examining tissue samples with the monoclonal antibodies described herein, it becomes possible to diagnose cancer.

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EUROPEAN SEARCH REPORT

0232706

Application Number

EP 87 10 0099

DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. CL.4) |
|----------|---|-------------------|--|
| X | EP-A-0 130 434 (BIOTEST-SERUM-INSTITUT GMBH) * page 7, example 1; page 9; claim * --- | 1, 4, 9 | G 01 N 33/80 G 01 N 33/52 G 01 N 33/574// G 01 N 33/577 |
| X | DATABASE PASCAL, abstract no. 8552297; J. SAKAMOTO et al.: "Analysis of the expression of H. Lewis, X, Y, and precursor blood group determinants in saliva and red cells using a panel of mouse monoclonal antibodies"; & MOL. IMMUNOL., vol. 21, no. 11, 1984, pages 1093-1098 --- | 1, 4, 9 | |
| E | EP-A-0 223 978 (ABBOTT LABORATORIES) * abstract; page 6, line 54 - page 7, line 32; claims 1-16 * --- | 1, 4, 9 | |
| Y | US-A-3 990 850 (S.B. FRIEDMAN et al.) * abstract; claims 1-4 * --- | 1, 4, 9 | |
| Y | WO-A-8 303 477 (EAST ANGLIAN REGIONAL HEALTH AUTHORITY) * abstract, page 2, line 21 - page 3, line 10; claims 1-5 * --- | 1, 4, 9 | TECHNICAL FIELDS SEARCHED (Int. CL.4) |
| A | CHEMICAL ABSTRACTS, vol. 101, no. 15, 8th October 1984, page 541, column 2, abstract no. 128530u, Columbus, Ohio, US; M. BLASZCZYK et al.: "Lewis blood group antigens defined by monoclonal anti-colon carcinoma antibodies", & ARCH. BIOCHEM. BIOPHYS., vol. 233, no. 1, 1984, pages 161-168 --- | 1, 6, 7 -/- | G 01 N 33/00 |

The present search report has been drawn up for all claims

| Place of search | Date of completion of the search | Examiner |
|-----------------|----------------------------------|------------|
| BERLIN | 28-08-1988 | GREEN C.H. |

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EUROPEAN SEARCH REPORT

EP 87 10 0099

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | | | | | | |
|--|--|-------------------|-----------------|----------------------------------|----------|--------|------------|------------|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | | | | | | |
| A | <p>SCIENTIFIC AMERICAN, vol. 254, no. 5, May 1986, pages 32-41, Washington, DC, US; S. HAKOMORI: "Glycosphingolipids" * whole document *</p> <p>-----</p> | 5-8 | | | | | | |
| TECHNICAL FIELDS SEARCHED (Int. CL.4) | | | | | | | | |
| <p>The present search report has been drawn up for all claims</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td style="width: 34%;">Examiner</td> </tr> <tr> <td>BERLIN</td> <td>28-08-1988</td> <td>GREEN C.H.</td> </tr> </table> <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p> | | | Place of search | Date of completion of the search | Examiner | BERLIN | 28-08-1988 | GREEN C.H. |
| Place of search | Date of completion of the search | Examiner | | | | | | |
| BERLIN | 28-08-1988 | GREEN C.H. | | | | | | |